

TAXONOMIC NOTES ON AMERICAN PHANEROGAMS -- I

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This series is begun in order to record such notes as are necessitated by routine determinative work. Unless otherwise stated all material cited is deposited in the Gray Herbarium of Harvard University.

Although many authors have regarded Pleurostachys as a synonym of Rynchospora, very few of the species have ever been transferred. The following species appear to be valid and to merit transfer to Rynchospora:

RYNCHOSPORA FLUMINENSIS L. B. Smith, nom. nov. Nemochloa Beyrichii Nees in Mart. Fl. Bras. ii. pt. 1, 152 (1842), non Rynchospora Beyrichii Steud. Syn. Pl. Glumac. ii. 144 (1855). Pleurostachys Beyrichii Steud. Syn. Pl. Glumac. ii. 139 (1855). P. panicoides Pfeiff. in Bot. Archiv. ix. 240 (1925).

RYNCHOSPORA FOLIOSA (Kunth) L. B. Smith, comb. nov. Pleurostachys foliosa Kunth, Enum. Pl. ii. 284 (1837).

RYNCHOSPORA GAUDICHAUDII (Brongn.) L. B. Smith, comb. nov. Pleurostachys Gaudichaudii Brongn. Voy. Coquille, 174 (1834). Nemochloa Gaudichaudii Nees in Mart. Fl. Bras. ii. pt. 1, 150 (1842).

RYNCHOSPORA GRAMINIFOLIA (Brongn.) L. B. Smith, comb. nov. Pleurostachys graminifolia Brongn. Voy. Coquille, 175 (1834).

RYNCHOSPORA MARTIANA (Nees) L. B. Smith, comb. nov. Nemochloa Martiana Nees in Mart. Fl. Bras. ii. pt. 1, 150 (1842). Pleurostachys Martiana Steud. Syn. Pl. Glumac. ii. 139 (1855).

RYNCHOSPORA MILLEGRANA (Nees) Schrad. ex Griseb. Fl. Brit. W. Ind. 575 (1864). Nemochloa millegrana Nees in Mart. Fl. Bras. ii. pt. 1, 149 (1842). Pleurostachys millegrana Steud. Syn. Pl. Glumac. ii. 139 (1855).

RYNCHOSPORA ORBIGNIANA (Brongn.) L. B. Smith, comb. nov. Pleurostachys Orbigniana Brongn. Voy. Coquille, 175 (1834). P. macrantha Kunth, Enum. Pl. ii. 286 (1837). Nemochloa Orbigniana Nees in Linnaea, ix. 299 (1834). Nemochloa macrantha Nees in Mart. Fl. Bras. ii. pt. 1, 151 (1842).

RYNCHOSPORA PANICOIDES Schrad. ex Nees in Mart. Fl. Bras. ii. pt. 1, 154 (1842), in synonymy. Pleurostachys stricta Kunth, Enum. Pl. ii. 286 (1837), non Rynchospora stricta Boeckl. in Linnaea, xxxvii. 603 (1873). Nemochloa stricta Nees in Hooker's Journ. Bot. ii. 398 (1840). The name panicoides has not been used for any other species of

Rynchospora, so it may be revived for this one although published in synonymy.

RYNCHOSPORA PUBERULA (Boeckl.) L. B. Smith, comb. nov.  
Pleurostachys puberula Boeckl. in Flora, lxiii. 453 (1880).

RYNCHOSPORA SCALARIS L. B. Smith, nom. nov. Pleurostachys Urvillei Brongn. Voy. Coquille, 173, t. 31 (1834), non Rynchospora Urvillei Steud. Syn. Pl. Glumac. ii. 149 (1855).  
Nemochloa Urvillei Nees in Mart. Fl. Bras. ii. pt. 1, 150 (1842).

RYNCHOSPORA SPARSIFLORA (Kunth) L. B. Smith, comb. nov.  
Pleurostachys sparsiflora Kunth, Enum. Pl. ii. 286 (1837).  
Nemochloa sparsiflora Nees in Mart. Fl. Bras. ii. pt. 1, 151 (1842).

RYNCHOSPORA TENUIFLORA (Brongn.) L. B. Smith, comb. nov.  
Pleurostachys tenuiflora Brongn. Voy. Coquille, 175 (1834).  
Nemochloa tenuiflora Nees in Linnaea, ix. 295 (1834). N. turbinata Nees in Meyen, Reise, i. 112 (1843), in synonymy.  
Pleurostachys elegans Kunth, Enum. Pl. ii. 285 (1837). Nemochloa elegans Nees in Mart. Fl. Bras. ii. pt. 1, 149 (1842).  
Pleurostachys Luetzelburgiana Pfeiff. in Fedde, Rep. Spec. Nov. xix. 294 (1924). P. latifolia Pfeiff. ibid. 295.

Nemochloa turbinata was published in synonymy to begin with, and later authors in separating it have given no really distinctive characters to justify such action. The inflorescence is much denser than in mature Rynchospora tenuiflora, but that is only because the type consists of very young material.

Pleurostachys Luetzelburgiana and P. latifolia were based on minor distinctions which break down on comparison with ample material of Rynchospora tenuiflora.

APHELANDRA PRISMATICA (Vell.) Hiern in Kjoeb. Vidensk. Meddel. 78 (1877). Ruellia prismatica Vell. Fl. Flum. 267 (1825), Icones, vi. t. 98 (1827). R. quadrangularis Vell. ibid. 267, t. 97. Ruellia quadrangularis has been considered a synonym of Aphelandra sciophila Mart., yet the latter has distinctly dentate floral bracts while Vellozo's plate of the former shows the bracts entire. R. quadrangularis and R. prismatica are simply young and mature stages of the same species. In a single collection from Alto da Serra in the state of São Paulo, Brazil (L. B. Smith 1934), I have specimens matching each plate perfectly.

RUELLIA SOLITARIA Vell. Fl. Flum. 266 (1825), Icones, vi. t. 95 (1827). Dipteracanthus Schauerianus Nees in Linnaea, xvi. 290 (1842). Ruellia Schaueriana Lindau in Engl. & Prantl, Nat. Pflanzenf. iv. Abt. 3b, 310 (1895). That there can be little doubt of the identity of Vellozo's species, was found in determining A. C. Brade 11015 and L. B. Smith 1365, both from the city of Rio de Janeiro. Consequently there is no point in maintaining Lindau's much later name for the species.